



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ajoy K. Ray, Et Al.

Serial No.: 10/643,467

Filed: August 19, 2003

For: Searching For Object Images With  
Reduced Computation

§ Group Art Unit: 2121

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Examiner: Unknown

Atty. Dkt. No.: ITL.0997US (P14029)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit the references listed on the attached form PTO 1449, copies of the non-U. S. Patent references are enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account 20-1504.

Respectfully submitted,

Date: January 14, 2004



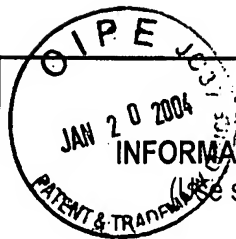
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PATENT-TRADEMARK OFFICE

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Date of Deposit: January 14, 2004

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jennifer Juarez



# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.  
ITL.0997US (P14029)

SERIAL NO.  
10/643,467

APPLICANT(S):  
AJOY K. RAY, ET AL.

FILING DATE:  
August 19, 2003

GROUP ART UNIT:  
2121

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE       | NAME         | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|------------|--------------|-------|----------|-------------------------------|
|                      | A. | 6,345,109       | 02/05/2002 | SOUMA ET AL. | 382   | 118      |                               |
|                      | B. | 10/643,672      |            | RAY ET AL.   |       |          | 08/19/2003                    |
|                      | C. |                 |            |              |       |          |                               |
|                      | D. |                 |            |              |       |          |                               |
|                      | E. |                 |            |              |       |          |                               |
|                      | F. |                 |            |              |       |          |                               |
|                      | G. |                 |            |              |       |          |                               |
|                      | H. |                 |            |              |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|------|---------|-------|----------|-------------|----|
|  |    |                 |      |         |       |          | YES         | NO |
|  | I. |                 |      |         |       |          |             |    |
|  | J. |                 |      |         |       |          |             |    |
|  | K. |                 |      |         |       |          |             |    |
|  | L. |                 |      |         |       |          |             |    |
|  | M. |                 |      |         |       |          |             |    |
|  | N. |                 |      |         |       |          |             |    |
|  | O. |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |   |
|--|----|---|
|  | P. | A. W.-C. Fu, P. M. S. Chan, Y.-L. Cheung, and Y. S. Moon. "Dynamic vp-tree indexing for n-nearest neighbor search given pair-wise distances". VLDB Journal, 9(2):154--173, June 2000.     |
|  | Q. | Bozkaya, Tolga and Meral Ozsoyoglu. "Indexing Large Metric Spaces for Similarity Search Queries. Association for Computing Machinery Transactions on Database System", pages 1--34, 1999. |
|  | R. | C. Xu and J. L. Prince, "Snakes, Shapes, and Gradient Vector Flow," IEEE Trans. Image Proc., pp. 359--369, Mar. 1998.   |
|  | S. |   |
|  | T. |   |
|  | U. |   |
|  | V. |   |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.